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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/657,457	09/07/2000	Hisao Furukawa	2000 1216 3883		
7590 08/11/2006		EXAMINER			
Wenderoth Lind & Ponack LLP			VU, VIET DUY		
2033 K Street N Suite 800	W	ART UNIT	PAPER NUMBER		
Washington, DC 20006			2154		
			DATE MAILED: 08/11/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	on N .	Applicant(s)				
		09/657,45	09/657,457 FURUKAWA ET AL.		L.			
	Office Action Summary	Examiner		Art Unit				
		Viet Vu		2154				
The MAILING DATE f this communication appears n the cover sheet with the correspondence address Period for Reply								
A SH WHIC - Exte after - If NC - Failt Any	ORTENED STATUTORY PERIOD FOI CHEVER IS LONGER, FROM THE MAI nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commun o period for reply is specified above, the maximum statut ire to reply within the set or extended period for reply will reply received by the Office later than three months afte ed patent term adjustment. See 37 CFR 1.704(b).	ILING DATE OF TH 37 CFR 1.136(a). In no evi ication. tory period will apply and wi I, by statute, cause the app	HIS COMMUNICATION ent, however, may a reply be tir ill expire SIX (6) MONTHS from lication to become ABANDONE	N. nely filed the mailing date of this co D (35 U.S.C. § 133).				
Status								
1)⊠	Personsive to communication(s) filed	on 05 June 2006						
'=	Responsive to communication(s) filed on <u>05 June 2006</u> . This action is FINAL . 2b) This action is non-final.							
3)□		•		esocution as to the	morite is			
الــا(د	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
	closed in accordance with the practice	didei Ex parte Qu	ayle, 1900 C.D. 11, 4	00 0.6. 210.				
Disp sition of Claims								
4)⊠	Claim(s) See Continuation Sheet is/ar	e pending in the ap	plication.					
	4a) Of the above claim(s) 128,176,179	,183-186,194-196,	405-408,421 and 422	is/are withdrawn fro	om			
consider	ation.							
5)🖂	Claim(s) 24-27, 122-124 and 145-146 is/are allowed.							
6)⊠	Claim(s) <u>See Continuation Sheet</u> is/are rejected.							
7)🖂	Claim(s) <u>411,413,418 and 420</u> is/are objected to.							
8)⊠	Claim(s) 128,176,179,183-186,194-19	06,405-408,421 and	<u>/ 422</u> are subject to re	striction and/or elec	ction			
requirem	ent.							
Applicat	ion Papers							
9) ☐ The specification is objected to by the Examiner.								
•	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
,	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority	under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachmei	nt(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
	ce of Draftsperson's Patent Drawing Review (PTC		Paper No(s)/Mail D 5) Notice of Informal I) ₋ 152)			
	mation Disclosure Statement(s) (PTO-1449 or P er No(s)/Mail Date	10/28/08)	6) Other:	- алент Аррисацон (РТС	r-192j			

Continuation of Disposition of Claims: Claims pending in the application are 24-27,122-132,135,136,140-150,170-177,179,180,183-186,194-196,201-204,221,223,225,227-230,244,292-297,302-305,334-337 and 405-422.

Continuation of Disposition of Claims: Claims rejected are 125-127,129-132,135,136,140-144,147-150,170-175,177,180,201-204,221,223,225,227-230,244,292-297,302-305,334-337,409,410,412,414-417 and 419.

Restriction:

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 24-27, 122-127, 129-132, 135-136, 140-150, 170-175, 177, 180, 201-204, 221, 223, 225, 227-230, 244, 292-297, 302-305, 334-337 and 409-420, drawn to multiple network interconnecting, classified in class 709, subclass 249.

II. Claims 128, 176, 179, 183-186, 194-196, 405-408, 421-422, drawn to specific network interface, i.e., IP phone, classified in class 709, subclass 250.

The inventions are distinct, each from the other because of the following reasons: Inventions I and II are related as combination and subcombinations. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP 806.05(c)). In the instant case, the combination I as claimed do not require the particulars of the subcombination II as claimed because conventional telephones and computer terminals can be used in the invention I. The subcombination II has separate utility, i.e., IP phone interface, which enables making voice calls over IP network.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown their recognized divergent subject matter, examination of all inventions would impose a serious burden to the examiner. Therefore, restriction for examination purposes as indicated above is proper.

2. Since applicant has received an action on the merits for the originally presented invention I, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, invention II, including claims 128, 176, 179, 183-186, 194-196, 405-408, 421-422, is withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

It is noted that the amendment has changed the scope of some claims making the restriction necessary for these claims.

Art Rejections:

- 3. The text of 35 U.S.C. 103(a) cited in the previous office action is hereby incorporated by reference.
- 4. Claims 125-127, 129-132, 135-136, 140-144, 147-150, 170-175, 177, 180, 201-204, 221, 223, 225, 227-230, 244, 292-297,

Application/Control Number: 09/657,457

Art Unit: 2154

302-305, 334-337, 409-410, 412, 414-417 and 419 are rejected under 35 U.S.C. 103(a) as being unpatentable over <u>Civanlar</u> et al, U.S. pat. No. 5,737,333.

Per claims 125, 127 and 131-132, <u>Civanlar</u> discloses an integrated information communication system comprising:

- a) a transmitting access control apparatus (101, fig. 1);
- b) a receiving access control apparatus (103, fig. 1);
- c) an network communication line (151, fig. 1) operable to provide communication between the transmitting access control apparatus and receiving access control apparatus wherein an user frame (IP packet) is inputted from a logic IP terminal (107, fig. 1) terminating at point (sender) a of communication, a receiver user (IP) address in the user frame is determined for enabling transferring a network frame between the transmitting access control apparatus and receiving control apparatus (see col 5, lines 39-53).

Civanlar does not explicitly show detailed step of determining/obtaining the receiver IP address from the transmitting frame. An official notice is taken that such address extraction from IP frame header is well known in the art (see col 5, lines 45-47).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize a conventional

Application/Control Number: 09/657,457

Art Unit: 2154

IP address extraction in <u>Civanlar</u> because it would have enabled routing the packet to the destination node (<u>see col 5</u>, <u>lines 45-53</u>).

Per claim 126, it is obvious that the IP packet can carry any user application data including digitized voice data (see col 1, lines 13-28).

Per claim 129, <u>Civanlar</u> also teaches providing an address server (123, fig. 1) for use by the IP terminal to inquiry a user and/or device IP address (<u>see col 5, lines 54-58</u>).

Per claims 130, <u>Civanlar</u> teaches converting user (IP) frame into a network frame (e.g., ATM, X.25) via encapsulation for transferring the packet from the originating side to the receiving side (see col 5, lines 48-53).

Per claims 135-136, <u>Civanlar</u> also teaches using the address server for address lookups/conversions and address updates among IP addresses, network domains and telephone numbers, etc., (<u>see</u> col 6, lines 39 - col 7, line 32).

Per claims 140-141, it is noted that a user IP frame is restored from the internal network (ATM) packet by the access control apparatus 103 at the receiving side for delivering to receiving node 113 (see col 5, lines 51-53).

<u>Civanlar</u> does not explicitly teach charging a fee for packets routed through the network. An official notice is taken

Application/Control Number: 09/657,457

Art Unit: 2154

most data services impose a usage/connection fee for using their networks.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize such usage/connection fee in <u>Civanlar</u> because it would have enabled operating Civanlar's network in a practical manner.

It is further noted that any unauthorized packets (e.g., non-paid users) would have been dropped or destroyed by the access control apparatus.

Per claims 142-143, <u>Civanlar</u> teaches enabling communications between two hosts 107 and 113 by setting up a connection via ATM network 115 (<u>col 5, lines 39-53</u>), or via conventional telephone communication lines (col 5, lines 59-62).

Per claim 144, it is noted that binary code comprises "0" and "1". It is therefor obvious that address conversion/look-up table in <u>Civandar</u> would have comprised coded represented by "0" and "1".

Per claims 147-150, it would have been further obvious to one skilled in the art to utilize other known network adaptors in <u>Civandar</u> to allow communications between the ATM network and other types of communication devices and/or communication lines including portable phone line and CATV.

Per claim 170, <u>Civandar</u> does not teach applying measured rate or flat rate charges. An official notice is taken that the use of measured rate or flat rate for computing a connection fee is well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize any known charging methods in <u>Civandar</u> because it would have provided more flexible charging methods to the users.

Claims 171-175, 177, 180, 201-204, 221, 223, 225, 227-230, 244, 292-297, 302-305, 334-337, 409-410, 412, 414-417 and 419 are similar in scope than that of claims 125-127, 129-132, 135-136, 140-144, 147-150 and 170.

Allowable Subject Matter:

- 5. Claims 24-27, 122-124 and 145-146 are allowed over prior art of record.
- 6. Claims 411, 413, 418 and 420 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Amendment:

7. Applicant's arguments filed on 6/5/06 have been fully considered but they are not deemed persuasive.

Applicant alleges that <u>Civandar</u> does not teach a communication network for transmitting an IP frame having an IP address.

The examiner disagrees. <u>Civandar</u> clearly teaches communicating between users, each assigned an IP address, by using an IP packet having a source and a destination IP address transmitted via telephone lines and/or ATM network (<u>see col 5</u>, lines 40-62).

Applicant also alleges that <u>Civandar</u> does not teach converting a user frame into a network frame for transmitting through an internal network and then restoring a user frame from the network frame.

The examiner disagrees. <u>Civandar</u> clearly teaches converting (e.g., encapsulating) a user IP packet into ATM packet for routing through the internal ATM network then restoring the IP packet from the ATM packet for delivering to the destination host (see col 5, line 48-53).

Application/Control Number: 09/657,457 Page 9

Art Unit: 2154

Conclusion:

8. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Viet Vu whose telephone number is 571-272-3977. The examiner can normally be reached on Monday through Friday from 7:00am to 4:00pm. The Group general information number is 571-272-2100. The Group fax number is 571-273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee, can be reached on 571-272-3964.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

Art Unit: 2154

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VIET D. VU PRIMARY EXAMINER

Ton Iw

Art Unit 2154 8/7/06